

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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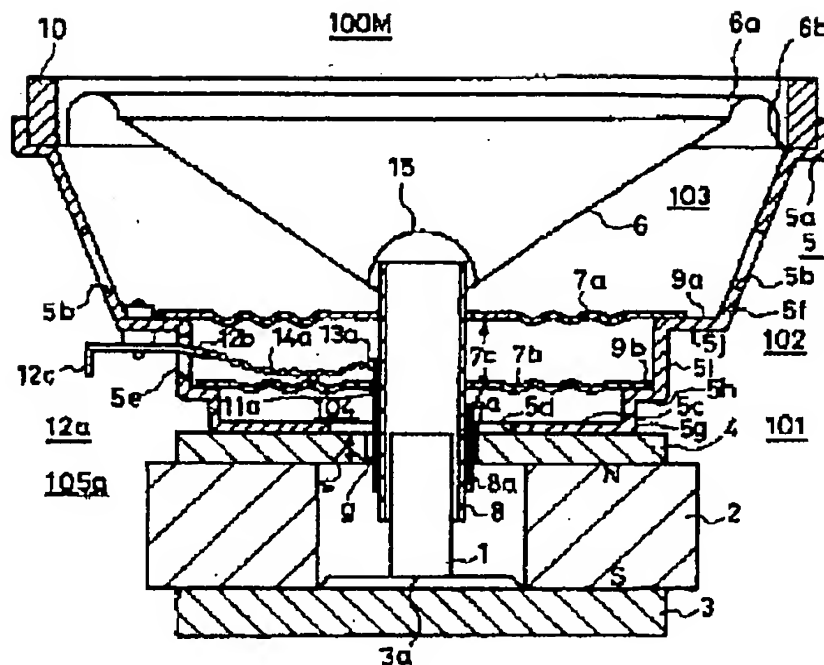
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TITLE : LOUDSPEAKER SYSTEM



**ABSTRACT :** PROBLEM TO BE SOLVED: To solve a problem that adversely affects the reproduction sound quality by extracting a lead wire of a voice coil from a bobbin among plural dampers placed at an interval, so as to reduce an inertial mass of a cone-shaped diaphragm.

**SOLUTION:** A lead wire 11 of a voice coil 8a is led out from a bobbin 8 between plural dampers 7a, 7b. Then a through-hole provided to a center of a cone-shaped diaphragm 6 is fitted to the voice coil bobbin 8 and inserted until a rib 6b of the cone shaped diaphragm 6 makes contact with a mount 5a, the cone-shaped diaphragm 6 and the voice coil bobbin 8 are adhered, a ring 6b at the outer circumferential side of the cone shaped diaphragm 6 is adhered to the mount 5a of a frame 5, a gasket 10 is adhered onto the rib 6b, a jig is removed, and a cap 15 is mounted. Thus, drive signal input terminals 13a, 12a are connected directly to a voice coil lead wire terminal 13a provided on the voice coil bobbin 8.

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